

R6-8309-7

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT				REGION	SITE NUMBER/ID OR ADDRESS # OF HQ		
				6	TX 77590		
<b>GENERAL INSTRUCTIONS:</b> Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System, Hazardous Waste Enforcement Task Force (EN-135), 401 M St., SW, Washington, DC 20460.							
<b>I. SITE IDENTIFICATION</b> <b>TAD 08080533</b>							
A. SITE NAME	2401 5th Ave. South						
AMOCO OIL COMPANY	STREET OR OTHER IDENTIFICATION						
B. CITY	D. STATE	E. ZIP CODE	F. COUNTY NAME				
Texas City	TX	77590	Galveston				
<b>G. SITE OPERATOR INFORMATION</b> 1. NAME <b>X-Ref SA Vol #1</b> AMOCO OIL COMPANY 2401 5th Avenue South Texas City							
2. STREET	A. CITY	B. STATE	C. ZIP CODE				
	Texas City	TX	77590				
D. REALTY OWNER INFORMATION (if different from operator of site)							
1. NAME	Same					E. TELEPHONE NUMBER	
2. CITY						F. STATE	G. ZIP CODE
<b>H. SITE DESCRIPTION</b> Active petroleum refinery. No disposal occurs on site. The leaded tank bottoms landfill was closed and cleaned up in 1980.							
<b>J. TYPE OF OWNERSHIP</b> <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input type="checkbox"/> 5. PRIVATE							
<b>II. TENTATIVE DISPOSITION</b> (complete this section if applicable)							
A. ESTIMATE DATE OF TENTATIVE DISPOSITION (MM, DD & YY)    B. APPARENT SERIOUSNESS OF PROBLEM							
<input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE							
<b>K. PREPARER INFORMATION</b> 1. NAME <b>Philip E. Sumner, Jr.</b> <b>X-A.Gallagher</b> <b>214-742-6601</b> <b>DATE (MM, DD &amp; YY)</b> <b>11-15-83</b>							
<b>III. INSPECTION INFORMATION</b>							
A. PRINCIPAL INSPECTOR INFORMATION 1. NAME <b>Philip E. Sumner, Jr.</b> <b>X-TITLE</b> <b>FIT Civil Engineer</b> 2. ORGANIZATION <b>Ecology And Environment, Inc. 1509 Main St. Dallas, TX 75201</b> <b>3. TELEPHONE NO. (MM, DD &amp; YY)</b> <b>214-742-6601</b>							
B. INSPECTION PARTICIPANTS 1. NAME <b>X-G. Gallagher</b> <b>2. ORGANIZATION</b> <b>Ecology And Environment, Inc.</b> <b>3. TELEPHONE NO.</b> <b>214-742-6601</b>							
<b>C. SITE REPRESENTATIVES INTERVIEWED (complete officials, workers, residents)</b> 1. NAME <b>Lin Crane</b> <b>2. TITLE</b> <b>RCRA OFFICER</b> <b>3. TELEPHONE NO.</b> <b>409-945-1151</b> <b>4. ADDRESS</b> <b>2401 5th Avenue South Texas City, Texas 77590</b>							
<b>SUPERFUND FILE</b> <b>NOV 17 1992</b> <b>REORGANIZED</b>							

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**III. INSPECTION INFORMATION (continued)**

D. GENERATOR INFORMATION / SOURCE OF WASTE			
1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Amoco Oil Company	713-945-1151	2401 5th Avenue South	Leaded tank bottoms

E. TRANSPORTER/HAULER INFORMATION			
1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Coastal Env. Control	713-486-0744	P.O. Box 1277 La Marque Texas 77569	Leaded tank bottoms

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
Rollins Env. Serv.	713-479-6001	P.O. Box 609 Deer Park Texas 77536

G. DATE OF INSPECTION      H. TIME OF INSPECTION      I. ACCESS GAINED BY (credentials must be shown in all cases)

10/10/91      1400 hours       1. PERMISSION       2. WARRANT

J. WEATHER: describes

Overcast 60°

**IV. SAMPLING INFORMATION**

A. Mark "X" for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

I. SAMPLE TYPE	II. SAMPLE TAKEN (mark X)	III. SAMPLE SENT TO:	IV. DATE RESULTS AVAILABLE
A. SR - UNDERATER			
B. SURFACE WATER			
C. WASTE			
D. AIR			
E. RUNOFF			
F. SPILLS			
G. SOIL			
H. VEGETATION			
I. OTHER (specify)	X	No samples taken during inspection	
B. FIELD MEASUREMENTS TAKEN (e.g., pH, conductivity, BOD, etc.)			
I. TYPE		II. LOCATION OF MEASUREMENTS	
None			

(Continued From Page 2)

IV. SAMPLING INFORMATION (continued)							
C. PHOTOS		D. PHOTOS IN CUSTODY OF					
1. TYPE OF PHOTOS		EPA Region VI (attached)					
<input checked="" type="checkbox"/> A. GROUND <input type="checkbox"/> B. AERIAL							
C. SITE NUMBER							
<input checked="" type="checkbox"/> D. YES, SPECIFY LOCATION OF MAPS:		See attachments					
E. COORDINATES		F. LONGITUDE (degrees-minutes)					
W 29° 22' 17" N		94° 54' 50" W					
V. SITE INFORMATION							
A. SITE STATUS							
<input checked="" type="checkbox"/> 1. ACTIVE (These include all or individual areas which are being used for waste treatment, storage, or disposal and continuing uses, even if interim quantities)		<input type="checkbox"/> 2. INACTIVE (These areas which no longer receive wastes)					
<input type="checkbox"/> 3. OTHER (specify)		<input type="checkbox"/> 4. OTHER (specify) (These areas that include such incidents like "abnormal dumping" where no regular or continuing use of the site for waste disposal has occurred)					
B. IS GENERATOR ON SITE?							
<input type="checkbox"/> 1. NO		<input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code) 2873					
C. AREA OF SITE (in acres)		D. ARE THERE BUILDINGS ON THE SITE?					
area of concern 2.93 Total Facility refinery 950		<input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify)					
VI. CHARACTERIZATION OF SITE ACTIVITY							
Indicate the major site activity(ies) and details relating to each activity by marking X in the appropriate boxes.							
X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
<input type="checkbox"/>	1. RAIL	<input type="checkbox"/>	1. PILE	<input type="checkbox"/>	1. FILTRATION	<input type="checkbox"/>	1. LANDFILL
<input type="checkbox"/>	2. SHIP	<input type="checkbox"/>	2. SURFACE IMPOUNDMENT	<input type="checkbox"/>	2. INCINERATION	<input checked="" type="checkbox"/>	2. LANDFARM
<input type="checkbox"/>	3. AIRSHIP	<input type="checkbox"/>	3. DRUMS	<input type="checkbox"/>	3. VOLUME REDUCTION	<input type="checkbox"/>	3. OPEN DUMP
<input type="checkbox"/>	4. TRUCK	<input type="checkbox"/>	4. TANK, ABOVE GROUND	<input type="checkbox"/>	4. RECYCLING/RECOVERY	<input type="checkbox"/>	4. SURFACE IMPOUNDMENT
<input type="checkbox"/>	5. PIPELINE	<input type="checkbox"/>	5. TANK, BELOW GROUND	<input type="checkbox"/>	5. CHEM/PHYS/TREATMENT	<input type="checkbox"/>	5. MIDNIGHT DUMPING
<input type="checkbox"/>	6. OTHER (specify):	<input type="checkbox"/>	6. OTHER (specify):	<input type="checkbox"/>	6. BIOLOGICAL TREATMENT	<input type="checkbox"/>	6. INCINERATION
				<input type="checkbox"/>	7. HAZTE OIL REPROCESSING	<input type="checkbox"/>	7. UNDERGROUND INJECTION
				<input type="checkbox"/>	8. SOLVENT RECOVERY	<input type="checkbox"/>	8. OTHER (specify)
F. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Report you have filled out and attached to this form.							
<input type="checkbox"/>	1. STORAGE	<input type="checkbox"/>	2. INCINERATION	<input type="checkbox"/>	3. LANDFILL	<input type="checkbox"/>	4. SURFACE IMPOUNDMENT
<input type="checkbox"/>	5. DEEP WELL						
<input type="checkbox"/>	6. CHEM/BIO/	<input type="checkbox"/>	7. LANDFARM	<input type="checkbox"/>	8. OPEN DUMP	<input type="checkbox"/>	9. TRANSPORTER
<input type="checkbox"/>	10. RECYCLER/RECLAIMER						
VII. WASTE RELATED INFORMATION							
A. WASTE TYPE							
<input type="checkbox"/>	1. LIQUID	<input checked="" type="checkbox"/>	2. SOLID	<input type="checkbox"/>	3. SLUDGE	<input type="checkbox"/>	4. GAS
B. WASTE CHARACTERISTICS							
<input type="checkbox"/>	1. CORROSIVE	<input type="checkbox"/>	2. IGNITABLE	<input type="checkbox"/>	3. RADIOACTIVE	<input type="checkbox"/>	4. HIGHLY VOLATILE
<input type="checkbox"/>	5. TOXIC	<input type="checkbox"/>	6. REACTIVE	<input type="checkbox"/>	7. INERT	<input type="checkbox"/>	8. FLAMMABLE
C. OTHER INFORMATION							
D. WASTE CONTAINERS							
E. RECORDS OF WASTE ANALYSIS: Specify items such as samples, locations, etc. below.							
No							

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VII. WASTE RELATED INFORMATION (continued)							
C. Estimate the amount (specify unit or measure) of waste by category. Mark 'X' to indicate which wastes are present.							
1. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER		
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
None	None	None	None	approx. 50	None		
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
				yds			
(1) PAINT PIGMENTS	(2) OILY WASTES	(3) HALOGENATED SOLVENTS	(4) ACIDS	(5) FLUIDS	(6) LABORATORY PHARMACEUT.		
(7) METALS SLUDGES	(8) OTHER/Specify:	(9) NOMINAL/CONT. SOLVENTS	(10) PICKLING LIQUORS	(11) ASBESTOS	(12) HOSPITAL		
(13) FROTH		(14) OTHER/Specify:	(15) CAUSTICS	(16) MINING/MINE WATER	(17) RADIOACTIVE		
(18) ALUMINUM SLUDGE			(19) PESTICIDES	(20) FERROUS SHELLT- ING WASTES	(21) MUNICIPAL		
(22) OTHER/Specify:			(23) OTHER/Specify:	(24) NONFERROUS SMELTING WASTES	(25) OTHER/Specify		
			(26) CYANIDE	(27) OTHER/Specify:			
			(28) PHENOLS	Leaded tank bottoms			
			(29) HALOGENS				
			(30) PCB				
			(31) METALS				
			(32) OTHER/Specify				

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)							
1. SUBSTANCE	2. FORM	3. TOXICITY (check one)	4. CAS NUMBER	5. AMOUNT	6. UNIT		
		HIGH MED. LOW	1. HIGH 2. MEDIUM 3. LOW 4. NONE				
None							

VIII. HAZARD DESCRIPTION							
FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.							
(A) HUMAN HEALTH HAZARDS							

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VIII. HAZARD DESCRIPTION (continued)

B. NON-WORKER INJURY/EXPOSURE

C. WORKER INJURY/EXPOSURE

D. CONTAMINATION OF WATER SUPPLY

E. CONTAMINATION OF FOOD CHAIN

F. CONTAMINATION OF GROUND WATER

G. CONTAMINATION OF SURFACE WATER

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VIII. HAZARD DESCRIPTION (continued)

H. DAMAGE TO FLORA/FAUNA

I. FISH KILL

J. CONTAMINATION OF AIR

K. NOTICEABLE ODORS

L. CONTAMINATION OF SOIL

M. PROPERTY DAMAGE

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VIII. HAZARD DESCRIPTION (continued)

— A. FIRE OR EXPLOSION

— C. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

— F. SEWER, STORM DRAIN PROBLEMS

— G. EROSION PROBLEMS

— H. INADEQUATE SECURITY

— I. INCOMPATIBLE WASTES

VIII. HAZARD DESCRIPTION (CONTINUED)				
T. MIGRATION SPREADING				
<b>XII. OTHER (specify):</b> The 2 landfills which were used for leaded tank bottoms were 2.1 acres and 0.8 acres in size. Both were in use approximately four years before they were closed in July, 1980. Only leaded tank bottoms and perhaps some hydrocarbons were deposited in these landfills. When the landfills were closed the larger deposits that had been made were removed from the area and deposited in the Amoco landfill offsite. The process was engineered by Brown and Root. Contaminant penetration from the landfill was measured to be less than 6". Soil samples composited from 0" to 6" depth were analyzed. These results are presented in the two attachments "Inactive lead sludge spreading area in Amoco Texas City Refinery EP Toxicity test for metals" sampled 6/2/81. Since the landfills were closed the area has been filled in with 5-7 ft. of fill. A large electrical warehouse station on a concrete slab has been constructed over the landfill areas. The west end of the building is on the smaller landfill and the building stretches over the larger landfill. All leaded wastes that are generated currently are shipped to Rollins in Deer Park, Tx. No monitoring wells are located in the area. The company has some water wells that extend 200-400' and are strictly for back up process water purposes and not drinking water use. No residential drinking wells are located within a 1 mile radius of the site. A 770 ft. community connected drinking water well is within a quarter mile of the site, however, due to the very thick deposit of Beaumont clay (see attachment A)				
IX. POPULATION DIRECTLY AFFECTED BY SITE				
A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (SPECIFY UNITS)
1. IN RESIDENTIAL AREAS	300	300	60	1 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS	3,000	3,000	20	1 mile
3. PUBLICLY TRAVELLED AREAS	5,000	5,000	2	1 mile
4. PUBLIC USE AREAS (PARKS, SCHOOLS, ETC.)	300	300	2	1 mile
X. WATER AND HYDROLOGICAL DATA				
A. DEPTH TO GROUNDWATER (SPECIFY UNITS) 15 ft.	B. DIRECTION OF FLOW Easterly	C. GROUNDWATER USE IN VICINITY Municipal industrial		
D. POTENTIAL FIELD OF AQUIFER approx. 1200 gpm	E. DISTANCE TO DRINKING WATER SUPPLY SPECIFY UNITS OF MEASURE 1/2 mile	F. DIRECTION TO DRINKING WATER SUPPLY Northwest		
G. TYPE OF DRINKING WATER SUPPLY = 1. COMMUNITY = 2. NON-COMMUNITY = 3. SURFACE WATER	H. CONNECTIONS <input checked="" type="checkbox"/> A. COMMUNITY <input type="checkbox"/> B. INDIVIDUAL <input type="checkbox"/> C. CONNECTIONS <input type="checkbox"/> D. WELL	I. TEXAS CITY, TX		

EPA FORM T207G-3 (10-69)

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\* Gulf Coast Sands, approx. 700 ft. deep, TDWR Report 98, 1969.



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XIV. PERMIT INFORMATION

DO NOT EXAMINE INFORMATION  
WHICH HAS BEEN MADE PERMISSIBLE PURSUANT TO THE BILL AND PROVIDE THE REQUESTED INFORMATION.

FEDERAL HAZARDOUS WASTE PERMIT INFORMATION

GENERAL INFORMATION					
A. PERMIT TYPE (e.g., RCRA, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (Mo.-Day-Year)	E. EXPIRATION DATE (Mo.-Day-Year)	F. IN COMPLIANCE Mark (X)
None for the leaded tank bottoms disposal area as it was closed prior to 11/80.					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN
<b>XV. PAST REGULATORY OR ENFORCEMENT ACTIONS</b>					
<input checked="" type="checkbox"/> NONE <input type="checkbox"/> YES (Explain in this space)					
<p><b>NOTE:</b> Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.</p> <p>EPA Form 7207-03 (10/79)</p>					

**NOTE:** Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.

EPA Form 72070-3 (10-79)

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ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form I2020-3.

Corresponding  
number on form

VIII U.

Additional Remark and/or Explanation

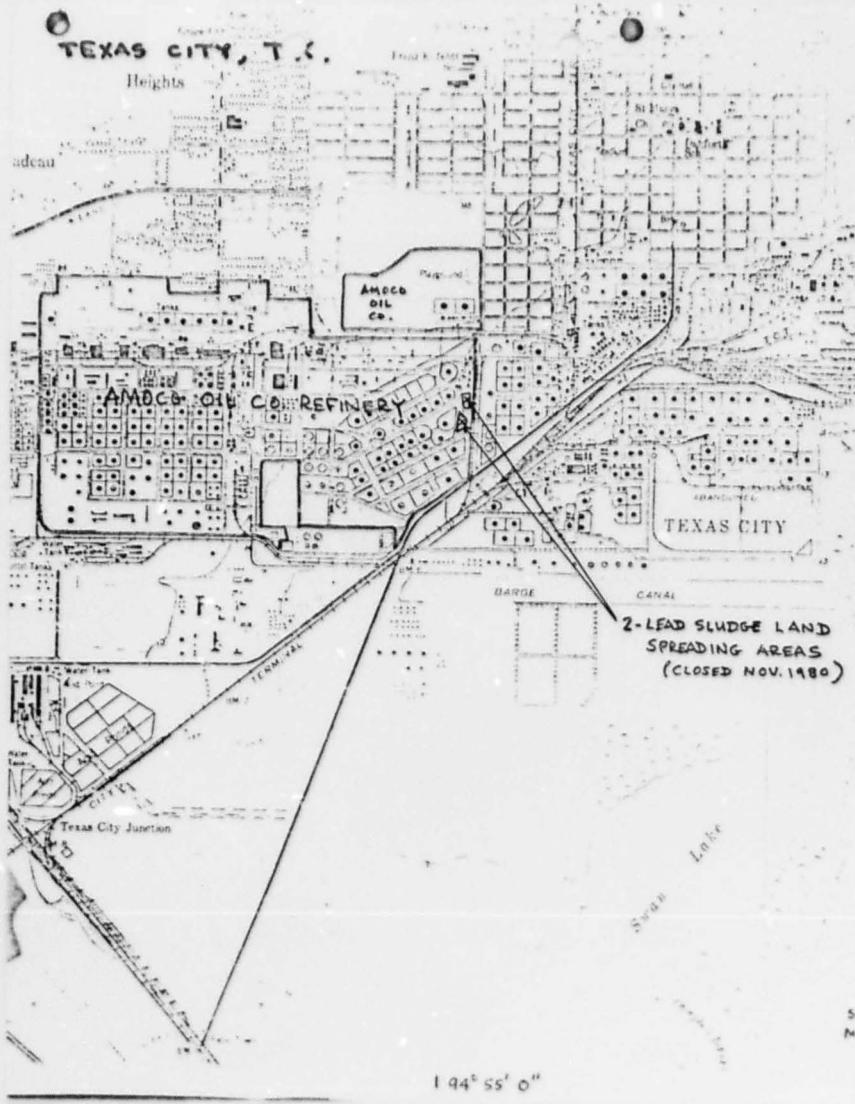
(at least 300' ft. thick) found below this area, migration of contaminants from this site to that particular well is highly unlikely. Therefore, no further action is recommended by the FIT.

Q

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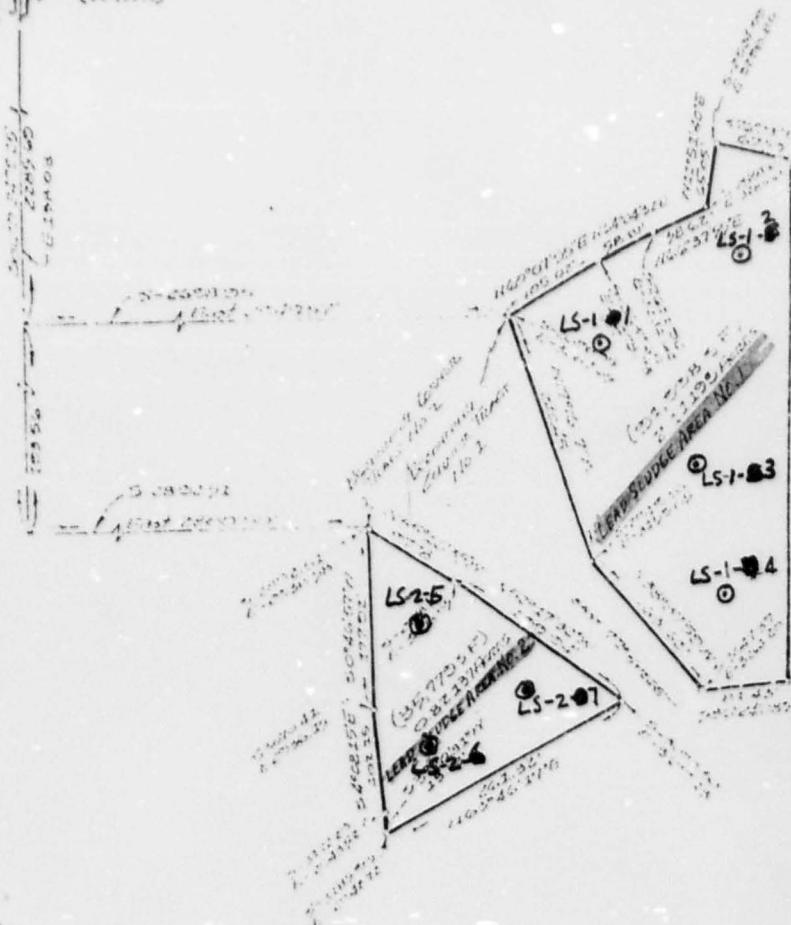
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TARRANT COUNTY, STATE OF TEXAS  
THE STATE OF TEXAS

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RECEIVED - JAMES W. GARTHRELL, JR.

James W. Garrell, Jr.

JAMES W. GARTHRELL, JR.

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INACTIVE LEAD SLUDGE SPREADING AREA IN AMOCO TEXAS CITY REFINERY

SOIL ANALYSIS

(SAMPLES 6/2/81)

ANALYSIS AS RECEIVED (TOTAL)	SOIL SAMPLE						
	LS-1-1	LS-1-2	LS-1-3	LS-1-4	LS-2-5	LS-2-6	LS-2-7
Chromium (mg/kg)	750	590	610	520	850	920	1400
Lead (mg/kg)	1100	830	470	330	500	410	360
Oil & Grease (%)	4.9	2.7	4.1	9.1	7.1	5.7	8.6

From L.W. Crane

11-1-83

INACTIVE LEAD SLUDGE SPREADING AREA IN AMOCO TEXAS CITY REFINERY

EP TOXICITY TEST DATA FOR METALS

(SAMPLED 6/2/81)

Parameter	SOIL SAMPLES						EPA INTERIM PRIMARY DRINKING WATER STANDARDS MAXIMUM (mg/l)
	LS-1-1	LS-1-2	LS-1-3	LS-1-4	LS-2-5	LS-2-6	
Arsenic	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
Barium	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.0
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01
Chromium (tot.)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	0.05
Mercury	<0.02*	<0.02*	<0.02*	<0.02*	<0.02*	<0.02*	2.0*
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Silver	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05

\*  $\mu$ g/l

From L.W. Lamb 11-1-83